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(54) Title: **IMPACT RESISTANT POLYOLEFIN COMPOSITIONS**

(57) Abstract: Olefin polymer composition comprising (by weight, unless otherwise specified): A) 60 - 95% of a propylene homopolymer or copolymer having a Polydispersity Index (P.I.) value of from 4.6 to 10 and a content of isotactic pentads (mmmm), measured by ¹³C NMR on the fraction insoluble in xylene at 25 °C, higher than 98 molar; B) 5 - 40% of a copolymer of ethylene containing from 40% to 70% of propylene or C₄-C₁₀ α-olefins) or of combinations thereof, and optionally minor proportions of a diene; said composition having a Temperature Rising Elution Fractionation (TREF) profile, obtained by fractionation in xylene and collection of fractions at temperatures of 40 °C, 80 °C and 90 °C, in which the ethylene content Y of the fraction collected at 90 °C satisfies the following relation (I): $Y \leq -0.8 + 0.035X + 0.0091X_2$ wherein X is the ethylene content of the fraction collected at 40 °C and both X and Y are expressed in percent by weight, and a value of intrinsic viscosity [η] of the fraction soluble in xylene at 25 °C of from 1.8 to 4.2 dl/g.



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